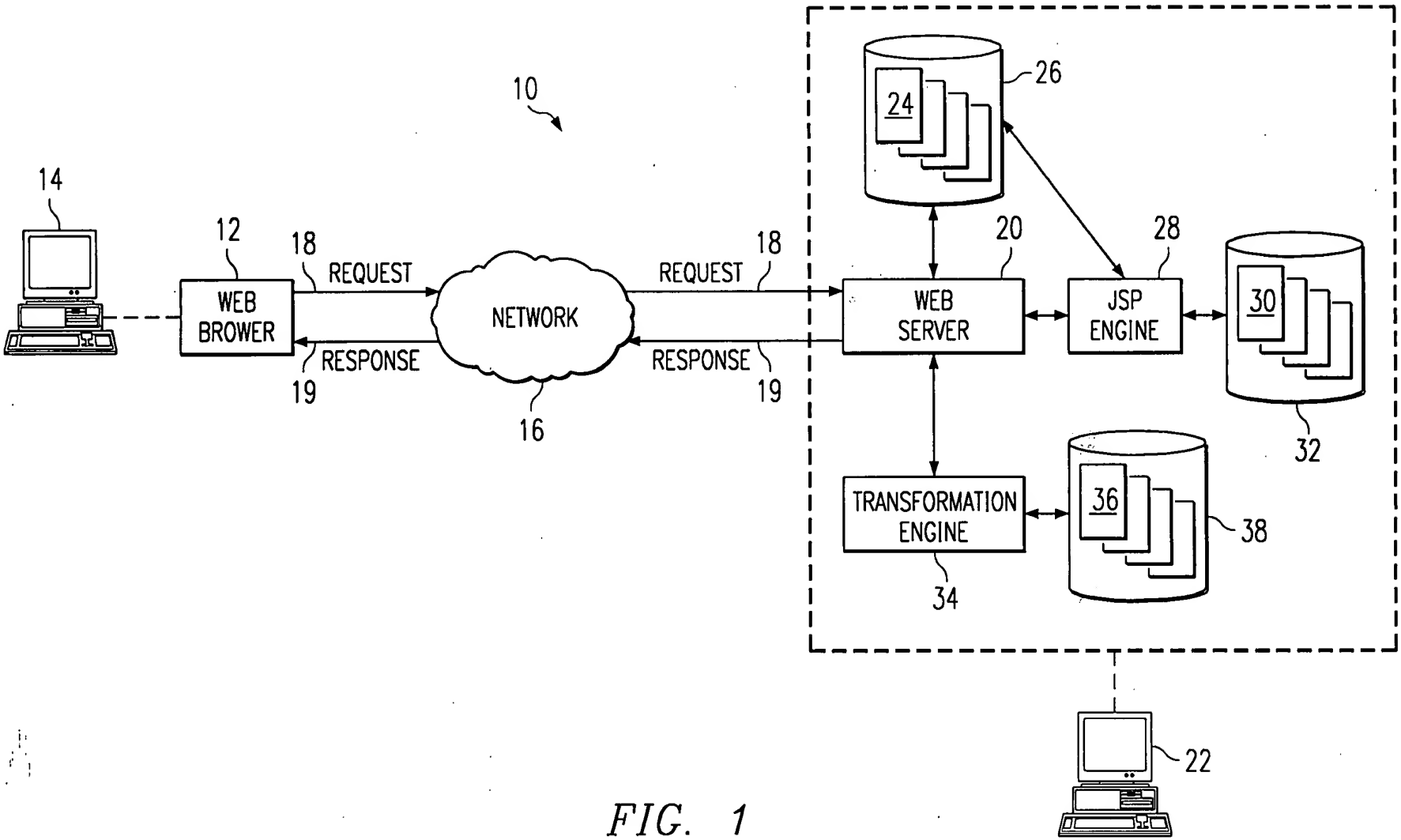
10
14
12
18
REQUEST
WEB
BROWER
RESPONSE
19
NETWORK
16
18
REQUEST
RESPONSE
19
24
26
20
WEB
SERVER
28
JSP
ENGINE
30
32
TRANSFORMATION
ENGINE
34
36
38
22

FIG. 1

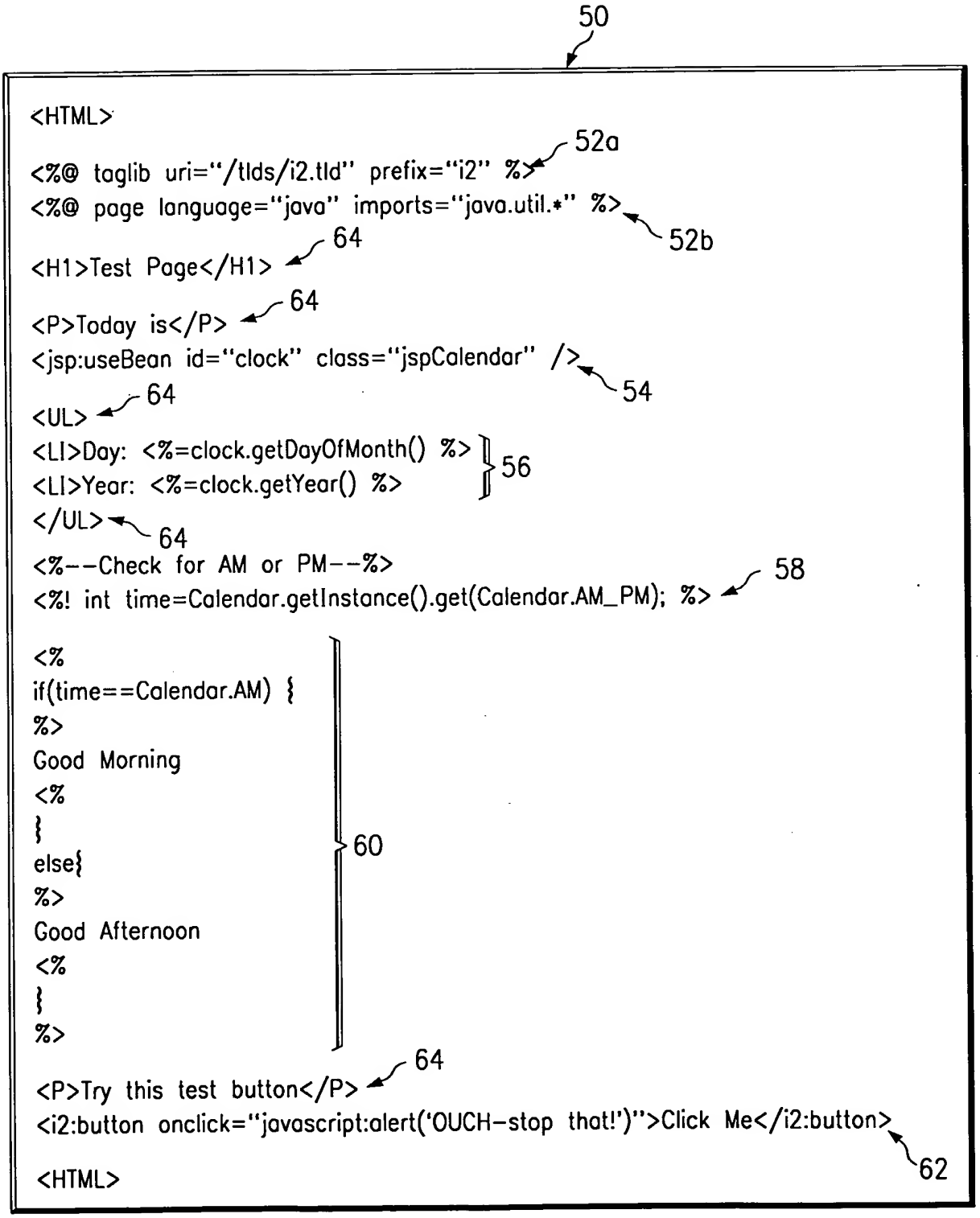
50
<HTML>
<%@ taglib uri="/tlds/i2.tld" prefix="i2" %>
52a
<%@ page language="java" imports="java.util.*" %>
52b
<H1>Test Page</H1>
64
<P>Today is</P>
64
<jsp:useBean id="clock" class="jspCalendar" />
54
<UL>
64
<LI>Day: <%=clock.getDayOfMonth() %>
<LI>Year: <%=clock.getYear() %>
56
</UL>
64
<%--Check for AM or PM--%>
<%! int time=Calendar.getInstance().get(Calendar.AM_PM); %>
58
<%
if(time==Calendar.AM) {
%>
Good Morning
<%
}
else{
%>
Good Afternoon
<%
}
%>
60
<P>Try this test button</P>
64
<i2:button onclick="javascript:alert('OUCH-stop that!')">Click Me</i2:button>
62
<HTML>

FIG. 2

FIG. 3

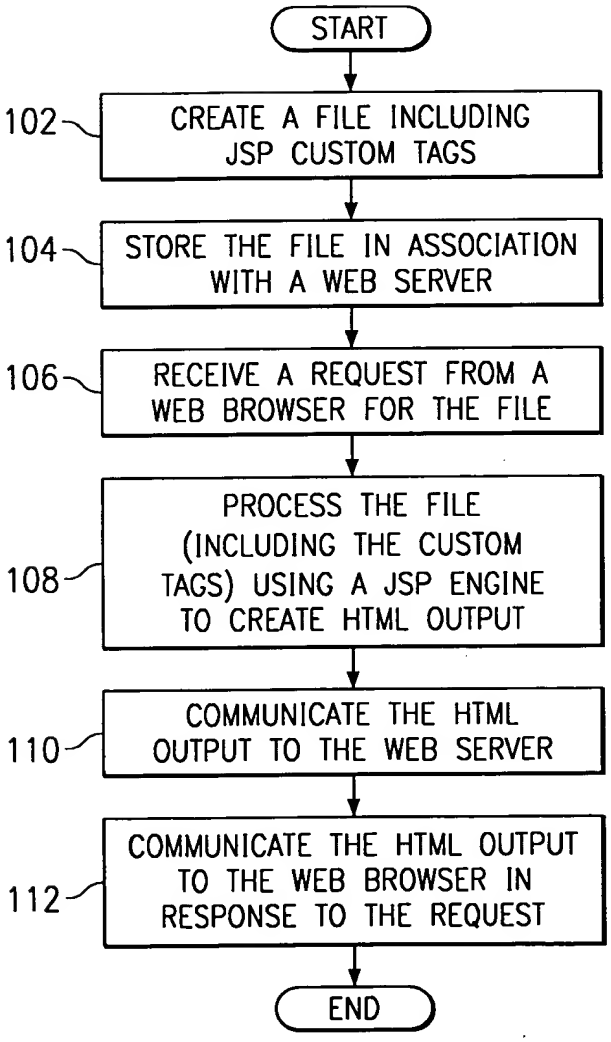
START
102
CREATE A FILE INCLUDING JSP CUSTOM TAGS
104
STORE THE FILE IN ASSOCIATION WITH A WEB SERVER
106
RECEIVE A REQUEST FROM A WEB BROWSER FOR THE FILE
108
PROCESS THE FILE (INCLUDING THE CUSTOM TAGS) USING A JSP ENGINE TO CREATE HTML OUTPUT
110
COMMUNICATE THE HTML OUTPUT TO THE WEB SERVER
112
COMMUNICATE THE HTML OUTPUT TO THE WEB BROWSER IN RESPONSE TO THE REQUEST
END

FIG. 7

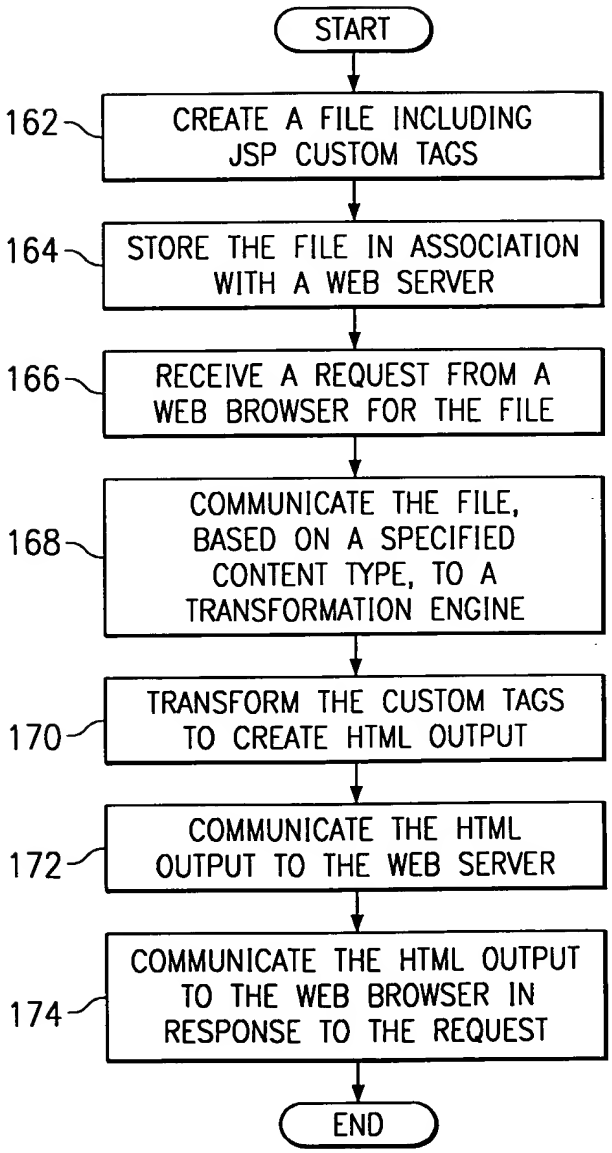
START
162
CREATE A FILE INCLUDING JSP CUSTOM TAGS
164
STORE THE FILE IN ASSOCIATION WITH A WEB SERVER
166
RECEIVE A REQUEST FROM A WEB BROWSER FOR THE FILE
168
COMMUNICATE THE FILE, BASED ON A SPECIFIED CONTENT TYPE, TO A TRANSFORMATION ENGINE
170
TRANSFORM THE CUSTOM TAGS TO CREATE HTML OUTPUT
172
COMMUNICATE THE HTML OUTPUT TO THE WEB SERVER
174
COMMUNICATE THE HTML OUTPUT TO THE WEB BROWSER IN RESPONSE TO THE REQUEST
END

FIG. 4

36

```
<xsl:stylesheet                                                          }
xmlns:xsl = "http://www.w3.org/1999.XSL/Transform"                       }
xmlns:i2 = "http://www.i2.com"                                           }
exclude-result-prefixes = "i2"                                           } 70
result-ns = " ">                                                         }
                                                                         }
<xsl:output method = "html"/>                                            }

<xsl:template match="/">                                                 }
 <xsl:apply-templates />                                                 } 72a
<xsl:template>                                                           }
                                                          74

<xsl:template match = "i2:button">                                                    }
 <TABLE width = "65" border = "1" cellspacing = "0" cellpadding = "2">                 }
  <TR>                                                                                }
   <TD class = "buttonText" nowrap = "yes">                                           } 76
    <A class = "buttonText">                                                          }
     <xsl:attribute name = "href">                                                    }
      <xsl:value-of select = "@onclick"/>                                             } 78
     </xsl:attribute>                                                                 }
     <xsl:value-of select = "."/>                                                     }
    </A>                                                                              }
   </TD>                                                                              } 76
  </TR>                                                                               }
 </TABLE>                                                                             }
</xsl:template>                                                                       } 72b

</xsl:stylesheet
```

FIG. 5

80

```
<TABLE width = "65" border = "1" cellspacing = "0" cellpadding = "2">
 <TR>
  <TD class = "buttonText" nowrap = "yes">
   <A class = "buttonText" href="javascript:alert('OUCH-stop that!')">Click Me</A>
  </TD>
 </TR>
</TABLE>
```

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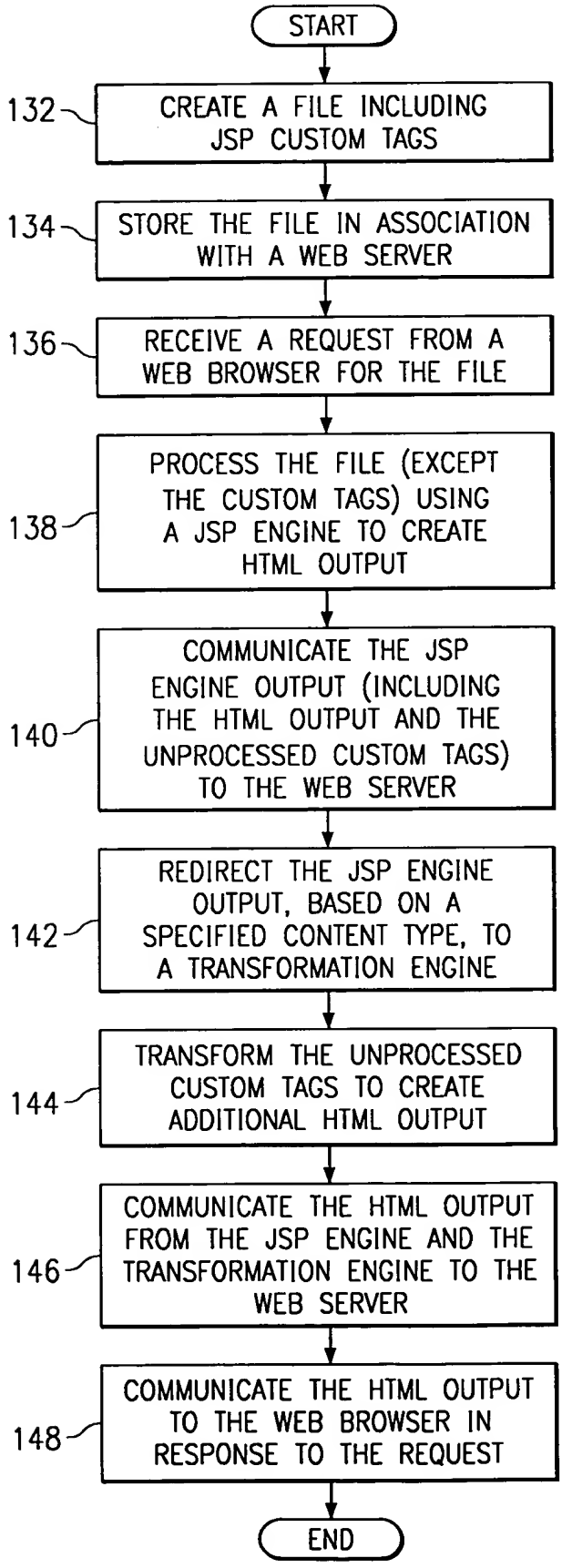

FIG. 6

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